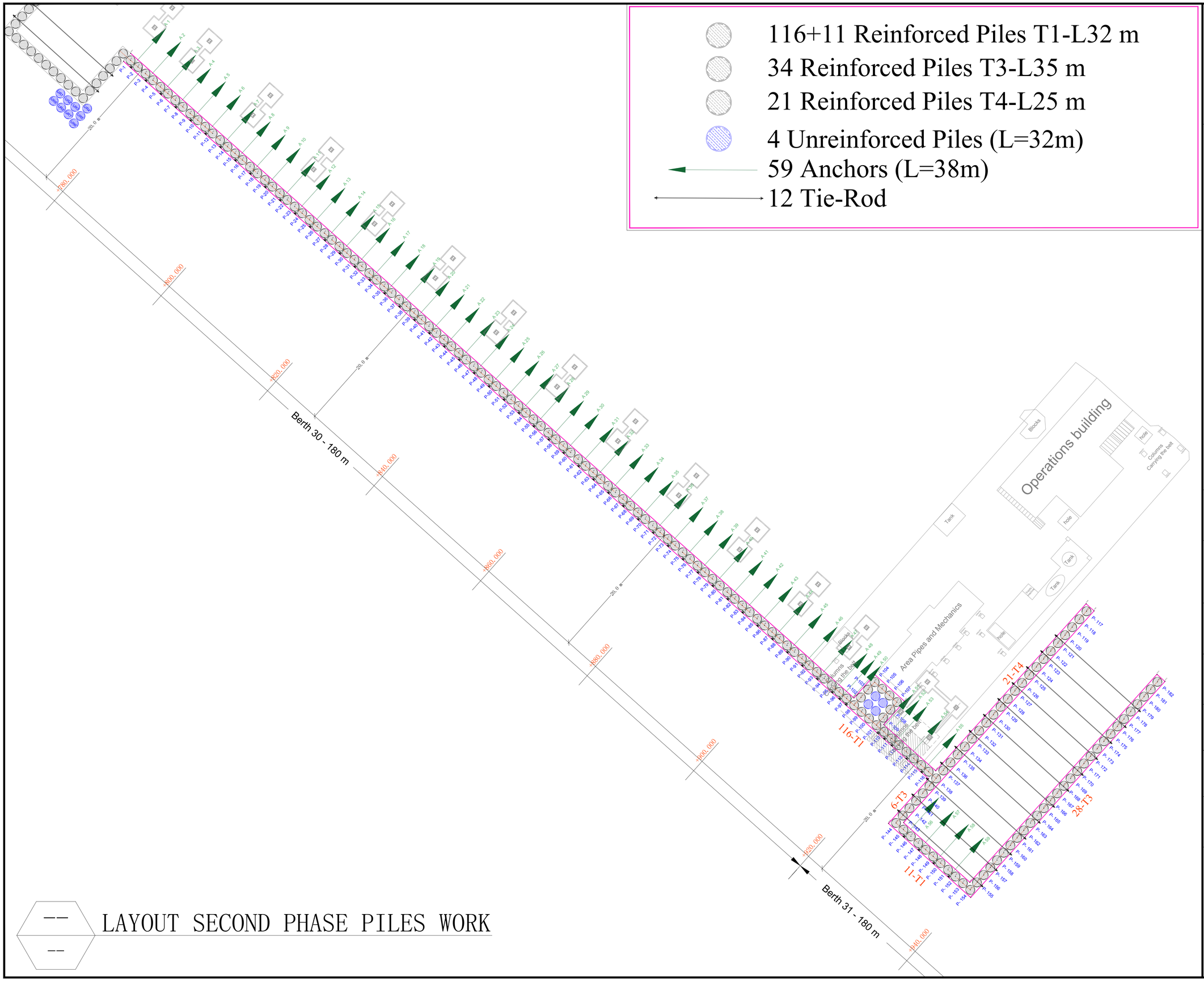
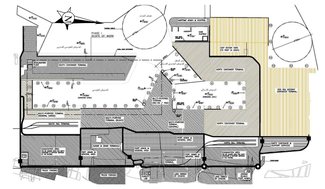


LAYOUT SECOND PHASE PILES WORK



NOTES:

1- MATERIALS :

CONCRETE :
C35 Concrete with min. compressive strength of 35 N/mm² shall be used for RC beam.

REINFORCEMENT : Grade 80

2- CONCRETE COVER :

The minimum clear cover to steel reinforcement shall be as follows.
Shoring Bored Piles Ø1200mm : 100mm
Head Beam : 50mm

3- LAP LENGTH of REBAR

For the head beam, lap length shall satisfy min. 50Ø for longitudinal rebars. Also, stirrups spacing shall be 10 cm for lab region.

4- ANCHOR :

Anchor Strand: fyk = 1860 MPa
Anchor Design Load = 1200 kN

CODE	DESCRIPTION
A	APPROVED
B	APPROVED AS NOTED
C	REVISE AND RESUBMIT

REV.	DATE	BY	DESCRIPTION
00	03-8-2025	Y.T	FOR APPROVAL

PROJECT OWNER : المالك

SAUDI PORT AUTHORITY
JEDDAH ISLAMIC PORT

الهيئة العامة للموانئ
ميناء جدة الإسلامي

PROJECT DESIGNER : المصمم

المركز العربي للاستشارات الهندسية
ARABIAN CONSULTING ENGINEERING CENTRE
+966 12 6182035 :جدة
+966 12 6182226 :فاكس

PROJECT CONSULTANT : الاستشارى

المتميزون
Almutamaizun Engineering Consultants
المتميزون للاستشارات الهندسية

CONTRACTOR : المقاول

PCMARINE
PC MARINE SERVICES
Limited Liability
Al-Ghaithy 5th floor Medina Road
Behind Ministry of Transport
P.O Box: 10611, Jeddah 21443
Saudi Arabia
Tel. 6510721 Fax. 6510749

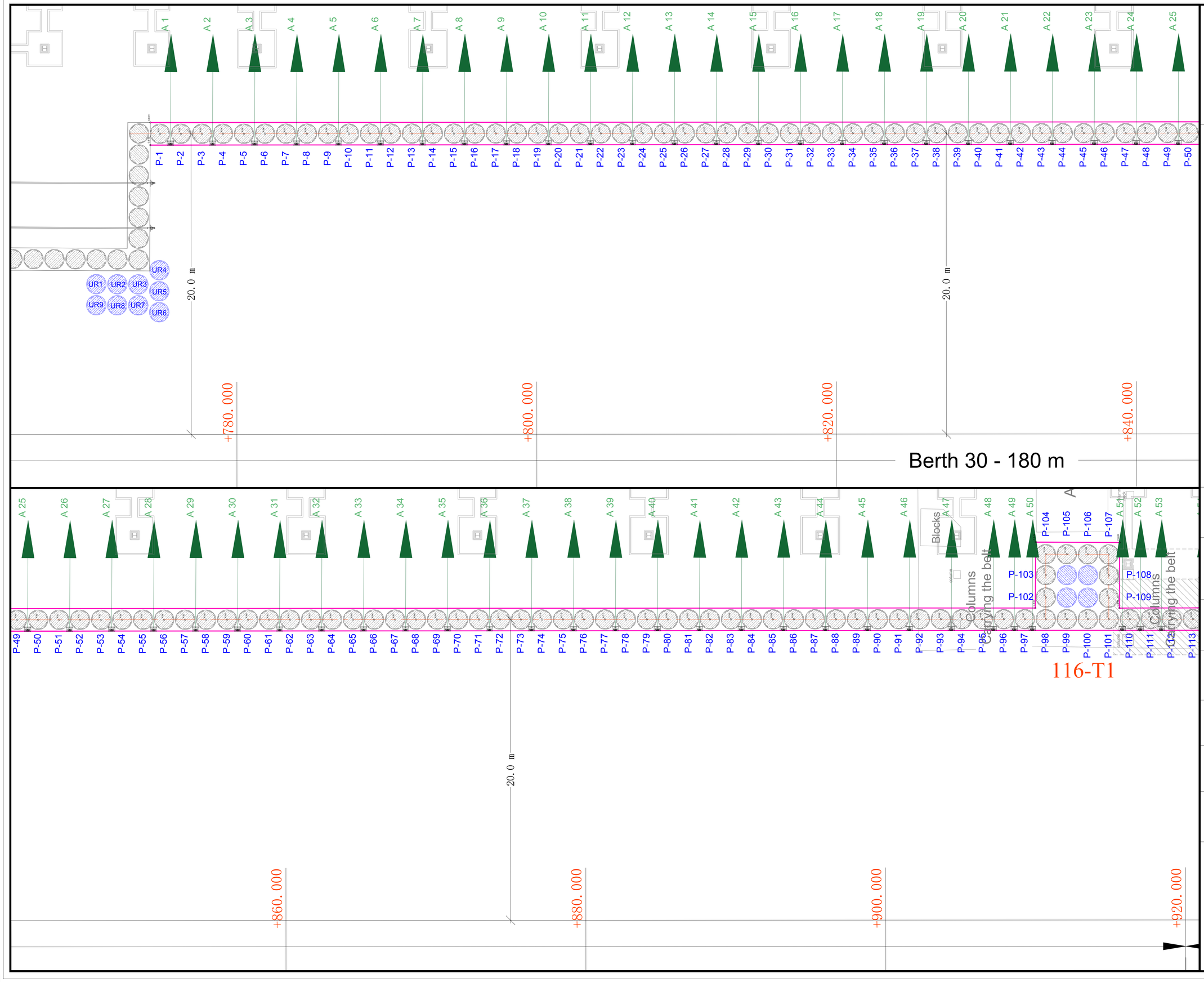
PROJECT TITLE : المشروع

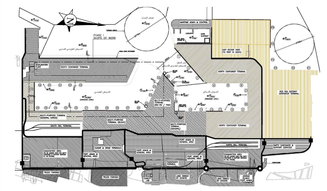
مشروع إنشاء إرصفة بحرية جديدة (من ٢٩ الى ٣١) بعمق تصميمي (-١٦متر) بدلا عن الإرصفة الحالية ذات العمق (-١١ متر و -١٢متر) بميناء جدة الإسلامي

DRAWING TITLE : عنوان المخطط

SHOP DRAWING FOR CONSTRUCTION NEW BERTHS
SECOND PHASE PILES WORK
PILES &CAPPING BEAMS COORDINATES

SHEET No:	1 / 4		
DRAWING.REF	CONTRACT DRAWING:	KASK-2023-U-SA-01	
DETAILED	Eng: YOUSRI TOHAMY ALI		
CHECKED	Eng. MOHAMED ABEL MAKSOUD		
SCALE	DRAWING NUMBER		REV. NO.
As Shown	**PCM-JIP-ST-130**		00





KEY PLAN

NOTES:

1- MATERIALS :

CONCRETE :
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B	APPROVED AS NOTED
C	REVISE AND RESUBMIT

REV.	DATE	BY	DESCRIPTION
00	03-8-2025	Y.T	FOR APPROVAL

PROJECT OWNER : المالك
SAUDI PORT AUTHORITY
JEDDAH ISLAMIC PORT
الهيئة العامة للموانئ
ميناء جدة الإسلامي

PROJECT DESIGNER : المصمم
المركز العربي للاستشارات الهندسية
ARABIAN CONSULTING ENGINEERING CENTRE

PROJECT CONSULTANT : الاستشارى
المتميزون

CONTRACTOR : المقاول
PCMARINE
PC MARINE SERVICES
Limited Liability
Al-Ghaithy 5th floor Medina Road
Behind Ministry of Transport
P.O Box: 10611, Jeddah 21443
Saudi Arabia
Tel. 6510721 Fax. 6510749

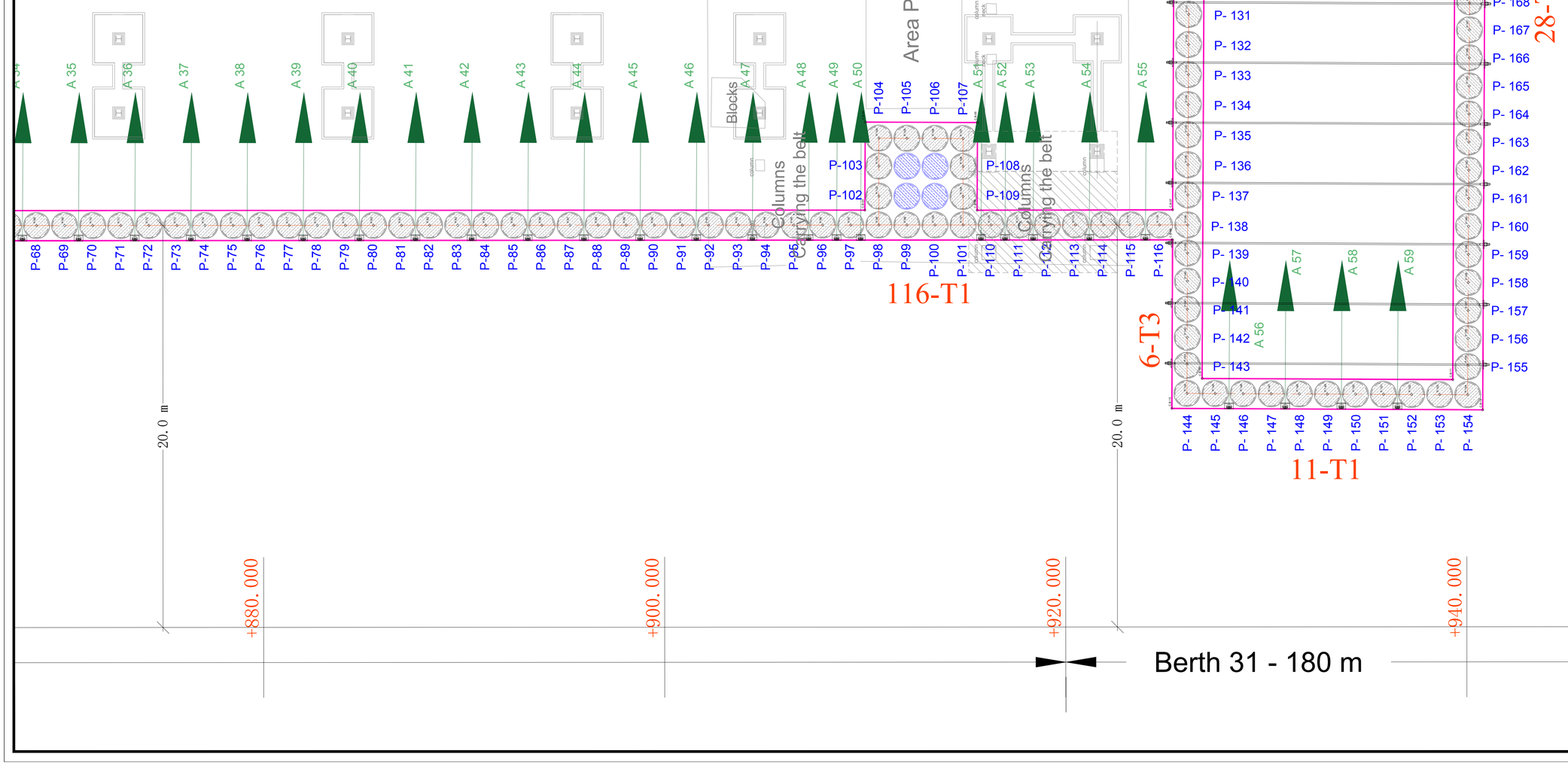
PROJECT TITLE : المشروع
مشروع إنشاء إرصفة بحرية جديدة (من ٢٦ الى ٣١)
بعمق تصميمي (-١٦متر) بدلا عن الإرصفة الحالية
ذات العمق (-١١ متر و-١٢متر) بميناء جدة الإسلامي

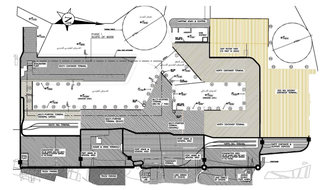
DRAWING TITLE : عنوان المخطط
SHOP DRAWING FOR CONSTRUCTION NEW BERTHS
SECOND PHASE PILES WORK
PILES &CAPPING BEAMS COORDINATES

SHEET No:	2 / 4		
DRAWING.REF	CONTRACT DRAWING:	KASK-2023-U-SA-01	
DETAILED	Eng: YOUSRI TOHAMY ALI		
CHECKED	Eng. MOHAMED ABEL MAKSOUD		
SCALE	DRAWING NUMBER		REV. NO.
As Shown	**PCM-JIP-ST-131**		00

COORDINATES SECOND PHASE C.B

POINTS	EASTING	NORTHING
C.B-01	517256.175	2373005.078
C.B-02	517254.697	2373004.824
C.B-03	517279.828	2372871.403
C.B-04	517284.161	2372872.146
C.B-05	517285.108	2372866.627
C.B-06	517280.799	2372865.888
C.B-07	517282.511	2372856.290
C.B-08	517313.556	2372861.606
C.B-09	517313.809	2372860.128
C.B-10	517274.483	2372853.384
C.B-11	517276.596	2372841.064
C.B-12	517315.232	2372847.691
C.B-13	517315.485	2372846.212
C.B-14	517275.371	2372839.332
C.B-15	517272.751	2372854.609
C.B-16	517281.034	2372856.029




KEY PLAN

NOTES:

1- MATERIALS :

CONCRETE :
C35 Concrete with min. compressive strength of 35 N/mm² shall be used for RC beam.

REINFORCEMENT : Grade 80

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Anchor Design Load = 1200 kN

CODE	DESCRIPTION
A	APPROVED
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C	REVISE AND RESUBMIT

REV.	DATE	BY	DESCRIPTION
00	03-8-2025	Y.T	FOR APPROVAL

PROJECT OWNER : المالك
SAUDI PORT AUTHORITY JEDDAH ISLAMIC PORT
الهيئة العامة للموانئ ميناء جدة الإسلامي

PROJECT DESIGNER : المصمم
المركز العربي للاستشارات الهندسية
ARABIAN CONSULTING ENGINEERING CENTRE

PROJECT CONSULTANT : الاستشاري
المتميزون Almutamaizon Engineering Consultants

CONTRACTOR : المقاول
PCMARINE
PC MARINE SERVICES Limited Liability
Al-Ghathy Str. Noor Medina Road Behind Ministry of Transport P.O Box: 10611, Jeddah 21443 Saudi Arabia Tel. 6510721 Fax. 6510749

PROJECT TITLE : المشروع
مشروع إنشاء إرصفة بحرية جديدة (من٢٦ الى ٣١) بعمق تصميمي (-١٦متر) بدلا عن الإرصفة الحالية ذات العمق (-١١ متر و -١٢متر) بميناء جدة الإسلامي

DRAWING TITLE : عنوان المخطط
SHOP DRAWING FOR CONSTRUCTION NEW BERTHS
SECOND PHASE PILES WORK
PILES &CAPPING BEAMS COORDINATES

SHEET No:	3 / 4
DRAWING.REF	CONTRACT DRAWING: KASK-2023-U-SA-01
DETAILED	Eng: YOUSRI TOHAMY ALI
CHECKED	Eng. MOHAMED ABEL MAKSOUD

SCALE	DRAWING NUMBER	REV. NO.
As Shown	**PCM-JIP-ST-132**	00

COORDINATES SECOND PHASE PILES

POINTS	EASTING	NORTHING
P-01	517255.549	2373004.311
P-02	517255.793	2373002.932
P-03	517256.037	2373001.554
P-04	517256.281	2373000.175
P-05	517256.525	2372998.796
P-06	517256.769	2372997.418
P-07	517257.013	2372996.039
P-08	517257.257	2372994.661
P-09	517257.501	2372993.282
P-10	517257.745	2372991.904
P-11	517257.989	2372990.525
P-12	517258.234	2372989.146
P-13	517258.478	2372987.768
P-14	517258.722	2372986.389
P-15	517258.966	2372985.011
P-16	517259.210	2372983.632
P-17	517259.454	2372982.254
P-18	517259.698	2372980.875
P-19	517259.942	2372979.496
P-20	517260.186	2372978.118
P-21	517260.430	2372976.739
P-22	517260.674	2372975.361
P-23	517260.918	2372973.982
P-24	517261.162	2372972.604
P-25	517261.406	2372971.225
P-26	517261.650	2372969.846
P-27	517261.894	2372968.468
P-28	517262.138	2372967.089
P-29	517262.382	2372965.711
P-30	517262.626	2372964.332
P-31	517262.870	2372962.954
P-32	517263.114	2372961.575
P-33	517263.358	2372960.196
P-34	517263.602	2372958.818
P-35	517263.846	2372957.439
P-36	517264.090	2372956.061
P-37	517264.334	2372954.682
P-38	517264.578	2372953.304
P-39	517264.822	2372951.925
P-40	517265.066	2372950.546
P-41	517265.310	2372949.168
P-42	517265.554	2372947.789
P-43	517265.798	2372946.411
P-44	517266.042	2372945.032
P-45	517266.286	2372943.654

COORDINATES SECOND PHASE PILES

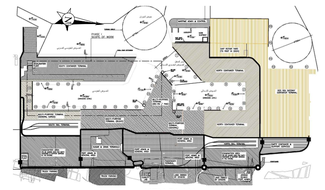
P-46	517266.530	2372942.275
P-47	517266.774	2372940.896
P-48	517267.018	2372939.518
P-49	517267.262	2372938.139
P-50	517267.506	2372936.761
P-51	517267.750	2372935.382
P-52	517267.994	2372934.004
P-53	517268.238	2372932.625
P-54	517268.482	2372931.246
P-55	517268.726	2372929.868
P-56	517268.970	2372928.489
P-57	517269.214	2372927.111
P-58	517269.458	2372925.732
P-59	517269.702	2372924.354
P-60	517269.946	2372922.975
P-61	517270.190	2372921.596
P-62	517270.434	2372920.218
P-63	517270.678	2372918.839
P-64	517270.922	2372917.461
P-65	517271.166	2372916.082
P-66	517271.410	2372914.704
P-67	517271.654	2372913.325
P-68	517271.898	2372911.946
P-69	517272.142	2372910.568
P-70	517272.386	2372909.189
P-71	517272.630	2372907.811
P-72	517272.874	2372906.432
P-73	517273.118	2372905.054
P-74	517273.362	2372903.675
P-75	517273.606	2372902.296
P-76	517273.850	2372900.918
P-77	517274.094	2372899.539
P-78	517274.338	2372898.161
P-79	517274.582	2372896.782
P-80	517274.826	2372895.404
P-81	517275.070	2372894.025
P-82	517275.314	2372892.646
P-83	517275.558	2372891.268
P-84	517275.802	2372889.889
P-85	517276.046	2372888.511
P-86	517276.290	2372887.132
P-87	517276.534	2372885.754
P-88	517276.778	2372884.375
P-89	517277.022	2372882.996
P-90	517277.266	2372881.618
P-91	517277.510	2372880.239

COORDINATES SECOND PHASE PILES

P-92	517277.740	2372878.944
P-93	517277.998	2372877.482
P-94	517278.242	2372876.104
P-95	517278.477	2372874.777
P-96	517278.730	2372873.346
P-97	517278.974	2372871.968
P-98	517279.218	2372870.589
P-99	517279.461	2372869.211
P-100	517279.704	2372867.832
P-101	517279.950	2372866.454
P-102	517280.639	2372870.840
P-103	517282.116	2372871.100
P-104	517283.485	2372871.342
P-105	517283.722	2372869.962
P-106	517283.958	2372868.582
P-107	517284.195	2372867.202
P-108	517282.826	2372866.961
P-109	517281.349	2372866.700
P-110	517280.193	2372865.075
P-111	517280.436	2372863.696
P-112	517280.680	2372862.317
P-113	517280.923	2372860.939
P-114	517281.166	2372859.560
P-115	517281.403	2372858.265
P-116	517281.652	2372856.802
P-117	517312.943	2372860.740
P-118	517311.465	2372860.487
P-119	517309.986	2372860.234
P-120	517308.508	2372859.981
P-121	517307.029	2372859.727
P-122	517305.551	2372859.474
P-123	517304.072	2372859.221
P-124	517302.594	2372858.968
P-125	517301.115	2372858.715
P-126	517299.637	2372858.462
P-127	517298.158	2372858.208
P-128	517296.680	2372857.955
P-129	517295.201	2372857.702
P-130	517293.723	2372857.449
P-131	517292.244	2372857.196
P-132	517290.766	2372856.943
P-133	517289.287	2372856.690
P-134	517287.809	2372856.436
P-135	517286.331	2372856.183
P-136	517284.852	2372855.930
P-137	517283.374	2372855.677

COORDINATES SECOND PHASE PILES

P-138	517281.895	2372855.424
P-139	517280.515	2372855.186
P-140	517279.136	2372854.948
P-141	517277.756	2372854.710
P-142	517276.376	2372854.472
P-143	517275.067	2372854.246
P-144	517273.617	2372853.998
P-145	517273.854	2372852.617
P-146	517274.091	2372851.237
P-147	517274.327	2372849.857
P-148	517274.564	2372848.477
P-149	517274.800	2372847.097
P-150	517275.037	2372845.717
P-151	517275.274	2372844.337
P-152	517275.510	2372842.958
P-153	517275.747	2372841.578
P-154	517275.984	2372840.198
P-155	517277.433	2372840.446
P-156	517278.744	2372840.671
P-157	517280.124	2372840.908
P-158	517281.504	2372841.145
P-159	517282.883	2372841.381
P-160	517284.263	2372841.618
P-161	517285.643	2372841.855
P-162	517287.023	2372842.091
P-163	517288.403	2372842.328
P-164	517289.783	2372842.565
P-165	517291.162	2372842.801
P-166	517292.542	2372843.038
P-167	517293.922	2372843.275
P-168	517295.241	2372843.501
P-169	517296.682	2372843.748
P-170	517298.131	2372843.997
P-171	517299.442	2372844.221
P-172	517300.821	2372844.458
P-173	517302.201	2372844.695
P-174	517303.581	2372844.932
P-175	517304.961	2372845.168
P-176	517306.341	2372845.405
P-177	517307.721	2372845.642
P-178	517309.101	2372845.878
P-179	517310.480	2372846.115
P-180	517311.860	2372846.352
P-181	517313.240	2372846.588
P-182	517314.620	2372846.825



KEY PLAN

NOTES:

1- MATERIALS :

CONCRETE :
C35 Concrete with min. compressive strength of 35 N/mm² shall be used for RC beam.

REINFORCEMENT : Grade 80

2- CONCRETE COVER :

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Head Beam : 50mm

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Anchor Design Load = 1200 kN

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C	REVISE AND RESUBMIT

REV.	DATE	BY	DESCRIPTION
00	03-8-2025	Y.T	FOR APPROVAL

PROJECT OWNER : المالك

SAUDI PORT AUTHORITY
JEDDAH ISLAMIC PORT

الهيئة العامة للموانئ
ميناء جدة الإسلامي

PROJECT DESIGNER : المصمم

المركز العربي للاستشارات الهندسية
ARABIAN CONSULTING ENGINEERING CENTRE

PROJECT CONSULTANT : الاستشاري

المتميزون

CONTRACTOR : المقاول

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PROJECT TITLE : المشروع

مشروع إنشاء إرصفة بحرية جديدة (من ٣٦ الى ٤١) بعمق تصميمي (-١٦متر) بدلا عن الإرصفة الحالية ذات العمق (-١١ متر و -١٢متر) بميناء جدة الإسلامي

DRAWING TITLE : عنوان المخطط

SHOP DRAWING FOR CONSTRUCTION NEW BERTHS
SECOND PHASE PILES WORK
PILES &CAPPING BEAMS COORDINATES

SHEET No:	4 / 4	
DRAWING.REF	CONTRACT DRAWING:	KASK-2023-U-SA-01
DETAILED	Eng: YOUSRI TOHAMY ALI	
CHECKED	Eng. MOHAMED ABEL MAKSOUD	
SCALE	DRAWING NUMBER	REV. NO.
As Shown	**PCM-JIP-ST-133**	00